

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) A method for detecting presence of microorganisms in a sample, comprising the steps of:

(a) preparing a container comprising a medium portion which has a fluid culture medium for supporting growth of microorganisms and a fluid mobile indicator isolated from the medium portion which contains a color changing CO₂ indicator for detecting the presence of microorganisms;

(b) wherein said fluid mobile indicator portion is isolated from said medium portion by a CO₂ gas-permeable membrane;

(c) mixing a sample in said fluid culture medium;

(d) sealing said container entirely from outside atmosphere; and

(e) indicating the presence of microorganisms by determining a color change of said CO₂ indicator.

2. (currently amended) A method for identifying quantities of microorganisms in a sample, comprising the steps of:

(a) preparing a container comprising a medium portion which has a fluid culture medium for supporting growth of microorganisms and a fluid mobile indicator isolated from the medium portion which contains a color changing CO₂ indicator for detecting the presence of microorganisms;

(b) wherein said fluid mobile indicator portion is isolated from said medium portion by a CO₂ gas-permeable membrane;

(c) mixing a sample in said fluid culture medium;

(d) sealing said container entirely from outside atmosphere;

(e) measuring time, starting from a moment when said container is sealed until a moment when color of said CO₂ indicator is turned into a predetermined color; and

(f) identifying initial quantities of microorganisms obtained by comparing measured time against contents of a table which holds pre-collected time data on each microorganism species of known initial quantities in known amount of sample.

3 - 6. (canceled)

7. (currently amended) A method for identifying quantities of microorganisms in a sample, comprising the steps of:

(a) preparing a container comprising a medium portion which has a fluid culture medium for supporting growth of microorganisms and an mobile indicator isolated from the medium portion which

contains a color changing CO₂ indicator for detecting the presence of microorganisms;

- (b) wherein said **mobile** indicator portion is isolated from said medium portion by a CO₂ gas-permeable membrane;
- (c) mixing a sample in said fluid culture medium;
- (d) sealing said container entirely from outside atmosphere;
- (e) measuring time, starting from a moment when said container is sealed until a moment when color of said CO₂ indicator is turned into a predetermined color; and
- (f) identifying initial quantities of microorganisms obtained by comparing measured time against contents of a table which holds pre-collected time data on each microorganism species of known initial quantities in known amount of sample.